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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/613,792

07/03/2003

Alexander C. Chan

J6851(C)

7015

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7590

11/07/2005

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EXAMINER

ELHILO, EISA B

ART UNIT

PAPER NUMBER

1751

DATE MAILED: 11/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/613,792	CHAN ET AL.	
	Examiner	Art Unit	
	Eisa B. Elhilo	1751	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 September 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 3-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 3-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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DETAILED ACTION

- 1 This action is responsive to the amendment filed on September 8, 2005.
- 2 The cancellation of claim 2 is acknowledged. Pending claims are 1 and 3-15.
- 3 The obviousness-type double patenting rejection is maintained, for the reasons set forth in the previous office action mailed on August 5, 2005.

New ground of rejection

Claim Rejections - 35 USC § 103

- 4 The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 3-5, 8-10 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sarojini et al. (US 2003/0154562 A1).

Sarojini et al (US' 562 A1) teaches a method for coloring hair comprising applying to the hair a mixture of oxidative dye precursors such as para-phenylenediamine followed by contacting the hair with a mixture of oxidizing agents as claimed in claim 1 (see page 10, claim 1 and page 5, paragraph, 0096), the method wherein the primary intermediates are presented in the amounts of 0.001 to 5% which overlapped with the claimed range as claimed in claim 3 (see page 2, paragraph, 0041), the method wherein the oxidizing mixture comprising a nascent oxidizing agent such as hydrogen peroxide at low pH's to stabilize the hydrogen peroxide present as claimed in claims 4 and 8 (see page 4, paragraph, 0089) and alkaline pH control agent

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as claimed in claim 9 (see page 5, paragraph, 0092). Sarojini et al. (US' 562 A1) also teaches similar kit as claimed in claims 10 and 15 (see paragraph, 11, claim 17).

The instant claims differ from the reference by reciting that the pH of the solution to be selected based on the limitation that less than 50 % of the primary intermediate and couplers compounds are in their anionic form when they first contact the hair and wherein the dye precursor mixture producing specific color change.

However, it would have been obvious to one having ordinary skill in the art at the time the invention was made to be motivated to utilize a composition for dyeing hair having dyeing intermediate compounds with anionic form, because Sarojini et al. (US' 562 A1) teaches dyeing intermediates similar to those claimed (see page 4, paragraph, 0084), and thus a person of the ordinary skill in the art would expect such a dyeing composition to have similar properties and obtained change of color similar to those claimed, absent unexpected results.

4 Claims 6-7 and 11-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sarojini et al. (US 2003/0154562 A1) in view of Dias (US 6,540,791 B1)

The disclosure of Sarojini et al. (US' 562 A1) as described above, does not teach or disclose the aligning and distributing means as claimed.

Dias (US' 791 B1) in analogous art of hair dyeing formulation, teaches a method for dyeing hair comprising applying to the hair a distribution means such as comb and brush (see col. 49, lines 25-27)

Therefore, in view of teaching of the secondary reference, one having ordinary skill in the art at the time the invention was made to apply to the hair an aligning and distributing means such as brushes or combs with a reasonable expectation of success because Dias (US' 791)

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clearly teaches that the composition may be applied directly to the hair or via some vehicle such as brushes, combs or applicators (see col. 49, lines 25-27), and, thus, a person of the ordinary skill in the art would be motivated to apply such a vehicle as taught by Dias (US' 791 B1) in the method described be Sarojini et al. (US' 562 A1) and would expect such a method to have similar properties to those claimed, absent unexpected results.

Response to Applicant's Arguments

5 Applicant's arguments with respect to claims 1,3 ,5 ,8 and 10 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eisa B. Elhilo whose telephone number is (571) 272-1315. The examiner can normally be reached on M - F (8:00 -5:30) with alternate Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yogendra Gupta can be reached on (571) 272-1316. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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A handwritten signature in black ink, appearing to read 'Eisa Elhilo'.

Eisa Elhilo
Patent Examiner
Art unit 1751

November 2, 2005